

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

WARREN M. FARNWORTH
ALAN G. WOOD WOOD
WILLIAM M. HIATT
JAMES M. WARK
DAVID R. HEMBREE
KYLE K. KIRBY
PETE A. BENSON

Serial No.:

ART UNIT:

Division of Serial No. 10/403,937
filed on 3/31/2003

EXAMINER:

Filing Date: 12/08/2003

Title: MULTI CHIP SCALE SEMICONDUCTOR COMPONENTS
AND WAFER LEVEL METHODS OF FABRICATION

Attorney Docket No.: 02-1500.1

**INFORMATION DISCLOSURE STATEMENT
DECEMBER 8, 2003**

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The following sections are being submitted for this Information
Disclosure Statement:

1. x Preliminary Statements
2. x FORM PTO SB/08
3. Statement As to Information Material to
Examination Not Found in Patents or Publications.
4. x Identification of Prior Application in Which Listed
Information Was Already Cited and For Which No Copies
are Submitted Or Need be Submitted.
5. Cumulative Patents or Publications.

6. _____ Copies of Listed Information Items Accompanying This Statement.
7. _____ Concise Explanation of Non-English Language Listed Information Items.
8. _____ Translation(s) of Non-English Language Documents.
9. x Identification of Person(s) Making This Information Disclosure Statement.

Section 1. Preliminary Statements

Applicants submit herewith patents, publications or other information of which they are aware which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

The filing of this information disclosure statement shall not be construed as a representation that a search has made (37 C.F.R. 1.56 (g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

Section 2. Identification of Person(s) Making This INFORMATION DISCLOSURE STATEMENT

The person making this statement is

(a) _____ the inventor(s) who signs below

SIGNATURE OF INVENTOR

Name of Inventor

(b) x the attorney who signs below on the basis of:

_____ the information supplied by the inventor(s)

_____ an individual associated with the filing and prosecution of this application (37 CFR 1.56(c))

 x the information in the attorney's file.


Section 3. Identification of Prior Application In Which Listed Information Was Already Cited and For Which No Copies are Submitted or Needed Be Submitted.

This application relies, under 35 U.S.C. 120, on the earlier filing date of application serial no. 10/403,937 filed on March 31, 2003.

The attached list of references were submitted to and/or cited by the Office in these prior applications and, therefore, are not required to be provided in this application.

DATED this 8th day of December, 2003.

Respectfully submitted:



Stephen A. Gratton
Registration No. 28,418
Attorney for Applicants

2764 South Braun Way
Lakewood, CO 80228
Telephone: (303) 989 6353
FAX: (303) 989 6538

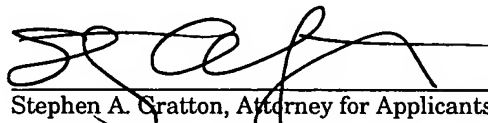
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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Mail Stop Patent Application, Commissioner of Patents, PO Box 1450, Alexandria, VA 22313-1450.

December 8, 2003
Date of Signature



Stephen A. Gratton, Attorney for Applicants

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Warren M. Farnworth
Alan G. Wood
William M. Hiatt
James M. Wark
David R. Hembree
Kyle K. Kirby
Pete A. Benson

ART UNIT:

Examiner:

Serial No.:

Filing Date: December 8, 2003

Division of Serial No. 10/403,937
filed on 03/31/2003

FOR: MULTI-DICE CHIP SCALE SEMICONDUCTOR
COMPONENTS AND WAFER LEVEL METHODS
OF FABRICATION

Docket No. 02-1500.1

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.56
December 8, 2003**

Mail Stop PATENT APPLICATION
Commissioner of Patents
PO Box 1450
Alexandria, VA 22313-1450


Sir:

The citations listed on the accompanying Form PTO/SB/o8, copies attached, may be material to the examination of the subject application and are therefore submitted in compliance with the duty of disclosure defined in 37 CFR §§1.56, 1.97 and 1.98.

This Information Disclosure Statement under 37 CFR §§1.56, 1.97 and 1.98 is not to be construed as a representation that a search has been made, that additional material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art under 35 USC §102.

It is requested that the above citations be made of record, if appropriate, in the prosecution of this application.

Respectfully submitted:



Stephen A. Gratton Reg. No. 28,418
Attorney of Record

The Law Office of Stephen A. Gratton
2764 South Braun Way
Lakewood, CO 80228
Telephone: 303 989 6353

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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	
		Filing Date	12/08/2003
		First Named Inventor	WARREN M. FARNWORTH
		Art Unit	
		Examiner Name	
Sheet 1	of 5	Attorney Docket Number	02-1500.1

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A	US- 4,899,921	02/13/1990	Bendat et al.	
	B	US- 5,138,434	08/11/1992	Wood et al.	
	C	US- 5,299,092	03/29/1994	Yaguchi et al.	
	D	US- 5,437,915	08/01/1995	Nishimura et al.	
	E	US- 5,495,667	03/05/1996	Farnworth et al.	
	F	US- 5,543,658	08/06/1996	Hosokawa et al.	
	F	US- 5,686,317	11/11/1997	Akram et al.	
	H	US- 5,851,911	12/22/1998	Farnworth	
	I	US- 5,888,883	03/30/1999	Sasaki et al.	
	J	US- 5,897,337	04/27/1999	Kata et al.	
	K	US- 6,060,373	05/09/2000	Saitoh	
	L	US- 6,080,602	06/27/2000	Tani et al.	
	M	US- 6,087,845	07/11/2000	Wood et al.	
	N	US- 6,097,087	08/01/2000	Farnworth et al.	
	O	US- 6,107,109	08/22/2000	Akram et al.	
	P	US- 6,114,240	09/05/2000	Akram et al.	
	Q	US- 6,118,179	09/12/2000	Farnworth et al.	
	R	US- 6,130,111	10/10/2000	Ikuina et al.	
	S	US- 6,153,448	11/28/2000	Takahashi et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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First Named Inventor	WARREN M. FARNWORTH
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Sheet	2	of	5
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		Number-Kind Code ^{2 (if known)}			
	T	US- 6,169,329B1	01/02/2001	Farnworth et al.	
	U	US- 6,177,295B1	01/23/2001	De Samber et al.	
	V	US- 6,221,751B1	04/24/2001	Chen et al.	
	W	US- 6,233,185B1	05/15/2001	Beffa et al.	
	X	US- 6,235,554B1	05/22/2001	Akram et al.	
	Z	US- 6,252,299B1	06/26/2001	Masuda et al.	
	Z	US- 6,271,056B1	08/07/2001	Farnworth et al.	
	AA	US- 6,281,131B1	08/28/2001	Gilton et al.	
	AB	US- 6,294,837B1	09/25/2001	Akram et al.	
	AC	US- 6,303,981B1	10/16/2001	Moden	
	AD	US- 6,303,997B1	10/16/2001	Lee	
	AE	US- 6,310,390B1	10/30/2001	Moden	
	AF	US- 6,313,531B1	11/06/2001	Geusic et al.	
	AG	US- 6,352,242B1	12/04/2001	Brooks et al.	
	AH	US- 6,326,698B1	12/04/2001	Akram	
	AI	US- 6,330,158B1	12/11/2001	Akram	
	AJ	US- 6,338,980B1	01/15/2002	Satoh	
	AK	US- 6,359,456B1	03/19/2002	Hembree et al.	
	AL	US- 6,368,896B2	04/09/2002	Farnworth et al.	

FOREIGN PATENT DOCUMENTS

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Examiner Signature		Date Considered	
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*EXAMINER: Initial if release condition met.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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		Number-Kind Code ² (if known)			
	AM	US- 6,368,930B1	04/09/2002	Enquist	
	AN	US- 6,372,624B1	04/16/2002	Farnworth et al.	
	AO	US- 6,384,487B1	05/07/2002	Smith	
	AP	US- 6,400,172B1	06/04/2002	Akram et al.	
	AQ	US- 6,440,772B1	08/27/2002	Smith	
	AR	US- 6,441,483B1	08/27/2002	Akram	
	AR	US- 6,451,624B1	09/17/2002	Farnworth et al.	
	AT	US- 6,465,877B1	10/15/2002	Farnworth et al.	
	AU	US- 6,482,576B1	11/19/2002	Farnworth et al.	
	AV	US- 6,482,674B1	11/19/2002	Kinsman	
	AW	US- 6,501,165B1	12/31/2002	Farnworth et al.	
	AX	US- 6,507,114B2	01/14/2003	Hui et al.	
	AY	US- 6,506,625B1	01/14/2003	Moden	
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)			
	AZ	JP 4-320362	11/11/1992		
	BA	JP 4-320365	11/11/1992		
	BB	JP 5-67726	03/19/1993		
	BC	JP 10-79362	03/24/1998		
	BD	JP 405082720A	04/02/1993		
	BE	JP 2000-31185	01/28/2000		

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		Art Unit			
		Examiner Name			
Sheet	4	of	5	Attorney Docket Number	02-1500.1

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	BF	Dexter Electronic Material, Hysol® FP4450 Material Properties, spec sheet, pgs 1-2, Aug. 20, 1999.	
	BG	Dexter Electronic Material, Hysol® FP4451 Material Properties, spec sheet, pgs 1-2, Aug. 20, 1999.	
	BH	"Wafer Size CSP Packaging by VPES, Japan Rec Co., Ltd., advertising material, pgs 1-4, 1998.	
	BI	Parylene Coating, advertising for Specialty Coating Systems, pgs 1-2, date unknown.	
	BJ	"Advanced Coating Parylene Conformal Coating Specialists, advertising material, pgs 1-7, 1998.	
	BK	DAVID FRANCIS & LINDA JARDINE, "Thin, Wafer-Level Package is made Without Damaging Die", Chip Scale	
	BL	JEFFREY C. DEMMIN, "More Wafer Thinning at ICAPS", Advanced Packaging, March 13, 2002.	
	BM	US Patent Application Serial No. 09/259,142 filed February 26, 1999.	
	BN	US Patent Application Serial No. 09/640,801, filed August 17, 2000.	
	BO	US Patent Application Serial 09/652,340, filed August 31, 2000.	

Examiner Signature		Date Considered	
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First Named Inventor	WARREN M. FARNWORTH
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Attorney Docket Number	02-1500.1

Sheet	1	of	1
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U. S. PATENT DOCUMENTS

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**Examiner
Signature**

Date
Considered

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